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(54) Title: TREATMENT OF NEURODEGENERATIVE DISEASES BY THE USE OF GPR49

(57) Abstract: The invention relates to the use of a GPR49-interacting molecule for the preparation of a pharmaceutical composition for the treatment of a neurodegenerative disease. Hereby s the GPR49-interacting molecule is preferably an inhibitor of GPR49 and particularly it has the capacity to modulate the activity of gamma-secretase and/or beta-secretase. Furthermore the invention concerns a process for identifying a gamma-secretase and/or a beta-secretase modulator, comprising the following steps: a. identifying of a GPR49-interacting molecule by determining whether a given test compound is a GPR49-interacting molecule, b. determining whether the GPR49-interacting molecule of step a) is capable of modulating gamma-secretase and/or beta-secretase activity.

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